List of Contents

Number 1

Repetitive transversely excited gas laser pulsers 1

Dhruba J. Biswas, J. Padma Nilaya

Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, India

Number 2

Parametric characterization of the spatial structure of non-uniformly polarized laser beams 65

P.M. Mejías, R. Martínez-Herrero, G. Piquero, J.M. Movilla

Departamento de Óptica, Facultad de Ciencias Físicas, Universidad Complutense de Madrid, 28040 Madrid, Spain

Number 3

Optical phase conjugation: principles, techniques, and applications 131

Guang S. He

Institute for Lasers, Photonics and Biophotonics, State University of New York at Buffalo, Buffalo, NY 14260-3000, USA

Numbers 4–5

Scaling of dye lasers with improved laser dyes 193

Theodore G. Pavlopoulos

Recent developments in rare-earth doped materials for optoelectronics 225
A.J. Kenyon

Book reviews 285

Number 6

Broadly tunable Cr^{4+}-doped solid-state lasers in the near infrared and visible 287
Alphan Sennaroglu